



(11) Publication number: **62140660**

Generated Document.

# PATENT ABSTRACTS OF JAPAN

(21) Application number: 60283676

(51) Intl. Cl.: B05B 5/04

(22) Application date: 17.12.85

(30) Priority:

(43) Date of application publication: 24.06.87

(84) Designated contracting states:

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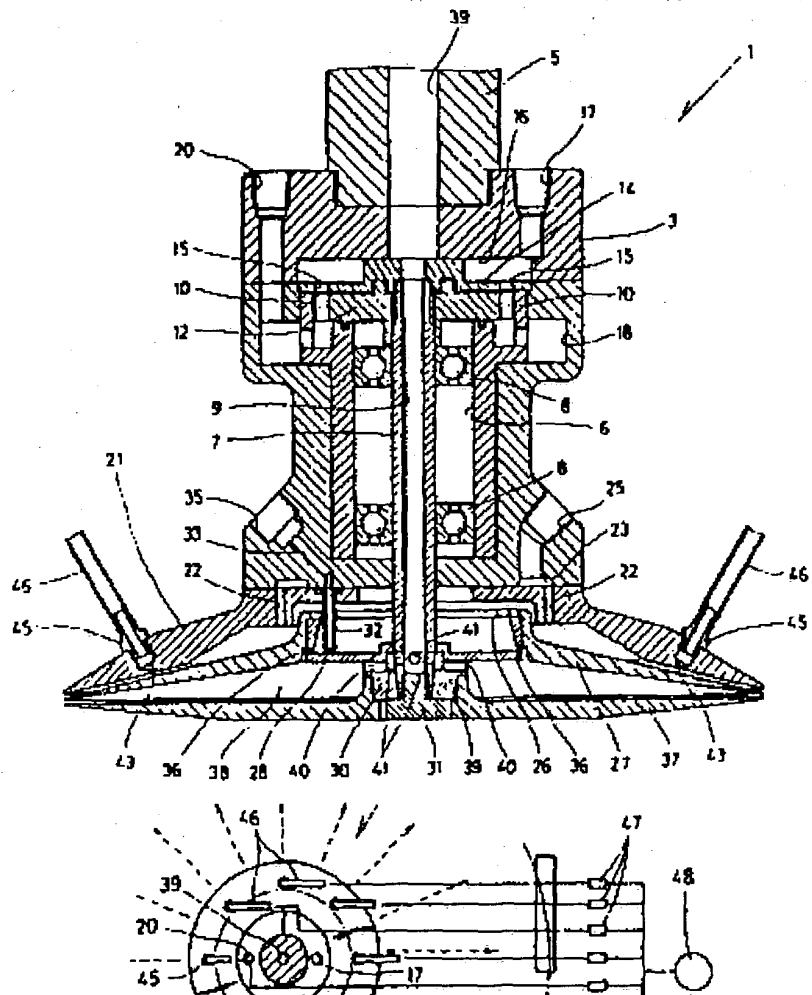
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## (54) ROTARY DISK TYPE ELECTROSTATIC PAINTER

(57) Abstract:

**PURPOSE:** To permit desired increase and decrease of the ejection rate of a paint by discretely controlling control valves to discretely control the air flow rates from respective ejection ports thereby changing the air flow rate between a rotating disk and stationary disk.

**CONSTITUTION:** The stationary disk 21 having the diameter approximately equal to the diameter of the rotating disk 27 is provided to face the rear surface of the rotating disk apart at a small space therefrom. Pressurized air is supplied into the space between the front surface of such stationary disk 21 and the rear surface of the rotating disk 27 and is ejected from the peripheral edges thereof. Many pieces of the ejection ports 43 for ejecting the air flow to block the flow of the air flowing toward the peripheral edges in the



toward the peripheral edges in the space are formed to the front surface of the stationary disk 21. The ejection ports 43 are connected via the separate control valves 47 to a compressed air supplying source 48. The flow rate of the air supplied into the space between the rotating disk and the stationary disk and ejected from the peripheral edge is changed in the peripheral direction in the above-mentioned manner, by which the ejection rate of the paint released from the peripheral edge of the rotating disk is increased and decreased as desired in the peripheral direction of the rotating disk.



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